

ABSTRACT OF THE DISCLOSURE

A semiconductor laser element comprising a first stripe and a second stripe which are formed at a distance, and emits a first laser beams and a second laser beams from
5 end surfaces of the first stripe and the second stripe; a first lens to separate the distance between the first laser beams and the second laser beams emitted from the semiconductor laser element; a half-wave plate which rotates the plane of polarization of the first laser beams by 90
10 degrees; a polarization beam combiner which multiplexes the first laser beams and the second laser beams which are entered, and emits both the laser beams; and an optical fiber which receives the laser beams emitted from the polarization beam combiner, and sends them to the outside are included.

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